

1 What is claimed is:

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3 1. An injection mold for a display panel of a washing machine, comprising:  
4 a first mold having a first film attached to an inside; and  
5 a second mold assembled to the first mold to form a cavity with the first mold, the  
6 second mold having a second film attached to an inside, the second mold having a gate  
7 communicating with an opening provided to the second film.

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9 2. The injection mold as claimed in claim 1, wherein the first mold comprises at  
10 least one recess provided to a surface adjacent to the cavity to make the first film locally  
11 convex on injection molding.

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13 3. The injection mold as claimed in claim 1, wherein a diameter of the opening  
14 is greater than that of the gate.

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16 4. The injection mold as claimed in claim 1, wherein the second mold  
17 comprises a protrusion protruding from a surface adjacent to the cavity to have an outlet of  
18 the gate at a central portion.

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20 5. The injection mold as claimed in claim 4, wherein the protrusion is fitted to  
21 the opening.

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23 6. The injection mold as claimed in claim 5, wherein an upper surface of the  
24 protrusion and an upper surface of the second film lie in one plane.

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26           7.     The injection mold as claimed in claim 1, wherein the second mold  
27 comprises a second recess to which the second film is fitted to be fixed thereto.

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29           8.     The injection mold as claimed in claim 1, wherein the second mold further  
30 comprises a second recess to which the second film is fitted to be fixed thereto.

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32           9.     The injection mold as claimed in claim 1, wherein the second mold  
33 comprises at least one projection extending from a surface adjacent to the cavity to penetrate  
34 the second film to be brought contact with the first film.

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36           10.    An injection mold for a display panel of a washing machine, comprising:  
37           a first mold having a first film attached to an inside, the first molding having at least  
38 one recess provided to a surface adjacent to a cavity; and

39           a second mold assembled to the first mold to form the cavity with the first mold, the  
40 second mold having a second film attached to an inside, the second mold having a gate  
41 communicating with an opening provided to the second film, the second mold having at least  
42 one projection extending from a surface adjacent to the cavity to penetrate the second film to  
43 be brought contact with the first film.

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45           11.    The injection mold as claimed in claim 10, wherein an end of the protrusion  
46 presses the first film to bring tight contact with the first recess.

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48           12.    The injection mold as claimed in claim 10, wherein the second mold

49 comprises a protrusion protruding from a surface adjacent to the cavity to have an outlet of  
50 the gate at a central portion and to be fitted to the opening.

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52 13. The injection mold as claimed in claim 12, wherein an upper surface of the  
53 protrusion and an upper surface of the second film lie in one plane.

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55 14. The injection mold as claimed in claim 10, wherein the second mold  
56 comprises a second recess to which the second film is fitted to be fixed thereto.

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58 15. An injection mold for a display panel of a washing machine, comprising:  
59 a first mold having a first film attached to an inside, the first molding having at least  
60 one recess provided to a surface adjacent to a cavity; and

61 a second mold assembled to the first mold to form the cavity with the first mold, the  
62 second mold having a second film attached to an inside, the second mold having a gate  
63 communicating with an opening provided to the second film, the second mold having a  
64 second recess to which the second film is fitted to be fixed thereto.

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66 16. The injection mold as claimed in claim 15, wherein the second mold  
67 comprises a protrusion protruding from a surface adjacent to the cavity to have an outlet of  
68 the gate at a central portion and to be fitted to the opening.

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70 17. The injection mold as claimed in claim 16, wherein an upper surface of the  
71 protrusion and an upper surface of the second film lie in one plane.